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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	On Embedding Task Memory in Services Composition Frameworks -- A QoS Test-Bed Generator for Web Services -- Engineering Compensations in Web Service Environment -- Context-Aware Workflow Management -- Practical Methods for Adapting Services Using Enterprise Service Bus -- On the Quality of Navigation Models with Content-Modification Operations -- Metamodeling the Quality of the Web Development Process' Intermediate Artifacts -- The Use of a Bayesian Network for Web Effort Estimation -- Sequential Pattern-Based Cache Replacement in Servlet Container -- A Hybrid Cache and Prefetch Mechanism for Scientific Literature Search Engines -- Finalizing Dialog Models at Runtime -- Transparent Interface Composition in Web Applications -- Fine-Grained Specification and Control of Data Flows in Web-Based User Interfaces -- Authoring Multi-device Web Applications with Database Access -- Enriching Hypermedia Application Interfaces -- Functional Web Applications -- Integrating Databases, Search Engines and Web Applications: A Model-Driven Approach -- A Method for Model Based Design of Rich Internet Application Interactive User Interfaces -- Improving Communication in Requirements Engineering

Activities for Web Applications -- Meta-model to Support End-User Development of Web Based Business Information Systems -- Easing Web Guidelines Specification -- A Transformation-Driven Approach to the Verification of Security Policies in Web Designs -- Efficiently Detecting Webpage Updates Using Samples -- Auto-Generating Test Sequences for Web Applications -- A Survey of Analysis Models and Methods in Website Verification and Testing -- Building Semantic Web Portals with WebML -- Engineering Semantic-Based Interactive Multi-device Web Applications -- Towards Improving Web Search by Utilizing Social Bookmarks -- Designing Interaction Spaces for Rich Internet Applications with UML -- A Behavioral Model for Rich Internet Applications -- Considering Web Accessibility in Information Retrieval Systems -- Fixing Weakly Annotated Web Data Using Relational Models -- Creating Personal Histories from the Web Using Namesake Disambiguation and Event Extraction -- Comparing Clustering Algorithms for the Identification of Similar Pages in Web Applications -- Structural Patterns for Descriptive Documents -- Component-Based Content Linking Beyond the Application -- A Double-Model Approach to Achieve Effective Model-View Separation in Template Based Web Applications -- Model-Driven Development of Web Applications with UWA, MVC and JavaServer Faces -- On Refining XML Artifacts -- Mixup: A Development and Runtime Environment for Integration at the Presentation Layer -- Squiggle: An Experience in Model-Driven Development of Real-World Semantic Search Engines -- WebTE: MDA Transformation Engine for Web Applications -- Noodles: A Clustering Engine for the Web -- WebRatio 5: An Eclipse-Based CASE Tool for Engineering Web Applications -- Extending Ruby on Rails for Semantic Web Applications -- Personalized Faceted Navigation in the Semantic Web -- WebVAT: Web Page Visualization and Analysis Tool -- Smart Tools to Support Meta-design Paradigm for Developing Web Based Business Applications -- Next-Generation Tactical-Situation-Assessment Technology (TSAT): Chat -- Tool Support for Model Checking of Web Application Designs -- Developing eBusiness Solutions with a Model Driven Approach: The Case of Acer EMEA -- The Challenges of Application Service Hosting -- Securing Code in Services Oriented Architecture -- Service Level Agreements: Web Services and Security -- Risk Management for Service-Oriented Systems -- A Framework for Situational Web Methods Engineering.

Sommario/riassunto

This volume contains the proceedings of the seventh International Conference on Web Engineering (ICWE2007), which was held in Como (Italy) in July 2007. The conference is the flagship event of the community, promoting research and scientific progress in the Web engineering field. The importance of the Web — and of its many related technologies— is widening the scope of the conference year after year, and is also leading to the cross-fertilization of several related disciplines (e.g., requirements engineering, testing and analysis, communication science, HCI, multimedia, and more). The conference brings together practitioners, scientists, and researchers committed to investigating and innovating the technologies, methodologies, tools, processes, and techniques used to construct, verify, and maintain Web-based applications and services. This year, the Call for Papers attracted a high number of submissions with a very good coverage of all the different facets of the Web engineering discipline. A total of 172 submissions (as for research papers) allowed us to build an attractive program of high technical and scientific quality. The 39 selected submissions comprise 26 full papers and 13 short papers (with an acceptance rate close to 23%); they cover the different aspects highlighted in the Call for Papers and represent well the many Web engineering research groups active

worldwide. The program spans from service-based systems to testing and analysis, from quality and metrics to models, and from semantic issues and Web 2.0 to application development techniques.
